

NEW JERSEY

Science and Engineering Profile

	New Jersey	U.S.	Rank		New Jersey	U.S.	Rank
Doctoral scientists, 1993	16,898	430,332	8	Total R&D performance, 1993 (millions)	\$9,182	\$161,427	5
Doctoral engineers, 1993	4,180	81,293	4	Industry R&D, 1993 (millions)	\$8,162	\$117,622	4
S&E doctorates awarded, 1993	552	25,409	15	Academic R&D, 1993 (millions)	\$374	\$19,489	16
of which, in life sciences	23%	24%		of which, in life sciences	45%	55%	
in engineering	22%	22%		in engineering	17%	16%	
in physical sciences	17%	15%		in physical sciences	12%	11%	
S&E postdoctorates, 1993				Higher education current-fund			
in doctorate-granting institutions	599	34,394	19	expenditures, 1993 (millions)	\$3,798	\$163,994	12
S&E graduate students, 1993				Number of SBIR awards, 1990-93	438	13,995	10
in doctorate-granting institutions	10,999	438,128	11	Patents issued to state residents, 1994	2,925	56,039	5
Population, 1994 (000s)	7,904	260,341	9	Gross state product, 1992 (billions)	\$223.1	\$5,994.1	8
Civilian labor force, 1994 (000s)	3,991	131,013	9	of which, agriculture	1%	2%	
Personal income per capita, 1994	\$28,038	\$21,809	3	manufacturing, mining, construction	20%	23%	
Federal spending				transportation, communication, utilities	9%	9%	
Total expenditures 1994 (millions)	\$37,328	\$1,284,896	10	wholesale and retail trade	17%	16%	
R&D obligations 1993 (millions)	\$1,423	\$65,394	14	finance, insurance, real estate	21%	18%	
				services	22%	20%	
				government	11%	12%	

Rankings and totals are based on data for the 50 States and D.C.

Federal Obligations for Research and Development in New Jersey by Agency and Performer: Fiscal Year 1993

[Thousands of dollars]

	Total	Federal intramural	All FFRDCs	Industrial firms	Universities & colleges	Other nonprofits	State & local government	State rank
Total, all agencies	1,422,848	509,310	114,092	594,558	189,222	11,876	3,790	14
Department of Agriculture	5,420	925	0	0	4,495	0	0	46
Department of Commerce	15,416	11,801	0	1,776	1,799	0	40	9
Department of Defense	916,046	439,545	8,144	422,733	45,469	155	0	13
Department of Energy	134,643	0	105,948	15,615	12,952	128	0	13
Dept. of Health & Human Services	96,915	0	0	9,441	77,828	8,259	1,387	23
Department of the Interior	4,937	4,615	0	0	292	0	30	40
Department of Transportation	72,865	52,210	0	15,258	3,089	0	2,308	2
Environmental Protection Agency	1,614	0	0	400	1,214	0	0	29
Nat'l Aeronautics & Space Admin.	134,877	214	0	127,915	6,444	304	0	9
National Science Foundation	40,115	0	0	1,420	35,640	3,030	25	15
State rank	14	8	12	13	19	25	21	

Federal R&D obligations are as reported by funding agencies.

FFRDC = federally funded research and development center

SBIR = small business innovation research

na = not applicable

Prepared by the National Science Foundation/Division of Science Resources Studies. Data compiled from numerous sources.